

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Appl. No: 10/789,507  
Applicant: Joao Miguel Romano, et al.  
Filed: February 27, 2004  
Title: METHOD AND APPARATUS FOR MODULATING A PULSE SIGNAL WITH A  
BIT STREAM  
TC/A.U.: 2817  
Examiner: Arnold M. Kinkead

**INFORMATION DISCLOSURE STATEMENT**

Mail Stop **AMENDMENT**  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. §§ 1.97 and 1.98 and to the duty of disclosure set forth in 37 C.F.R. § 1.56, the Examiner in charge of the above-identified application is requested to consider and make of record the reference listed on the PTO/SB/08a. A copy of the reference listed on the PTO/SB/08a, other than U.S. patents, is enclosed.

Although the information submitted herewith may be "material" to the Examiner's consideration of the subject application, this submission is not intended to constitute an admission that such information is "prior art" as to the claimed invention.

In accordance with 37 C.F.R. § 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made.

More than three months have elapsed since the filing of the above-referenced application and a first (non-Final) Official Action has been received. No Final Action or Notice of

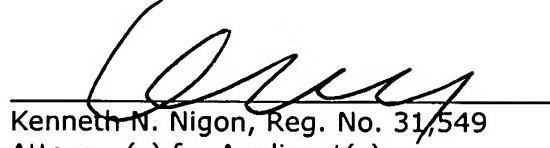
11/23/2005 DTESEM1 0000003 10789507

01 FC:1806

180.00 OP

Allowance has yet been received and it is presumed that none has yet been mailed.  
Accordingly, the required fee set forth in 37 C.F.R. § 1.17(p) is provided herewith.

Respectfully submitted,



Kenneth N. Nigon, Reg. No. 31,549  
Attorney(s) for Applicant(s)

KNN/jal

Enclosures: PTO/SB/08a  
(1) Reference  
Transmittal Form

Dated: November 16, 2005

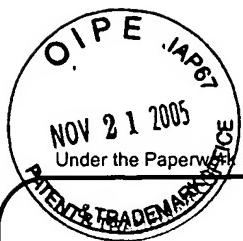
P.O. Box 980  
Valley Forge, PA 19482  
(610) 407-0700

The Commissioner for Patents is hereby authorized to charge payment to Deposit Account No. 18-0350 of any fees associated with this communication.

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, with sufficient postage, in an envelope addressed to: Mail Stop AMENDMENT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on:  
**NOVEMBER 16, 2005**



Juli Lawrence



PTO/SB/08b (08-03)

Approved for use through 6/30/2006. OMB 0651-0031

Approved for use through 06/30/2006. GPO 0-0001-0001  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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## **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

**(Use as many sheets as necessary)**

<i>Complete if Known</i>	
Application Number	10/789,057
Filing Date	February 27, 2004
First Named Inventor	Joao Miguel Romano
Art Unit	2817
Examiner Name	Arnold M. Kinkead
Attorney Docket No.	MATI-227US

## **NON-PATENT LITERATURE DOCUMENTS**

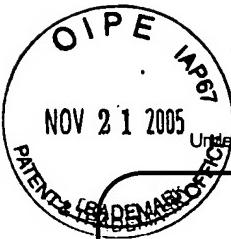
\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

**1** Applicant's unique citation designation number (optional).

<sup>2</sup>Applicant is to place a check mark here if English language translation is attached.

The collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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## TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

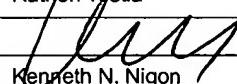
Application Number	10/789,507
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Attorney Docket No.	MATI-227US

### ENCLOSURES (Check all that apply)

- |  |   |   |
|--|---|---|
| <input type="checkbox"/> Fee Transmittal Form<br><input type="checkbox"/> Fee Attached | <input type="checkbox"/> Drawing(s)<br><input type="checkbox"/> Licensing-related Papers<br><input type="checkbox"/> Petition<br><input type="checkbox"/> Petition to Convert to a Provisional Application<br><input type="checkbox"/> Power of Attorney, Revocation, Change of Correspondence Address<br><input type="checkbox"/> Terminal Disclaimer<br><input type="checkbox"/> Request for Refund<br><input type="checkbox"/> CD, Number of CD(s) _____<br><input type="checkbox"/> Landscape Table on CD | <input type="checkbox"/> After Allowance Communication to TC<br><input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences<br><input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)<br><input type="checkbox"/> Proprietary Information<br><input type="checkbox"/> Status Letter<br><input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): PTO/SB/08a; 1 reference |
|--|---|---|

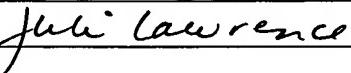
### Remarks:

### SIGNATURE OF APPLICANT, ATTORNEY OR AGENT

Firm Name	RatnerPrestia		
Signature			
Printed Name	Kenneth N. Nigon		
Date	November 16, 2005	Registration No.	31,549

### CERTIFICATE OF TRANSMISSION / MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

Signature			
Typed or Printed Name	Juli Lawrence	Date	November 16, 2005

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Office, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, ALEXANDRIA, VA 22313-1450.

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Effective on 12/08/04.

Pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

# FEE TRANSMITTAL For FY 2005

Applicant claims small entity status. See 37 CFR 1.27

**TOTAL AMOUNT OF PAYMENT (\$)** **180.00**

<b>Complete if Known</b>	
Application Number	10/789,507
Filing Date	February 27, 2004
First Named Inventor	Joao Miguel Romano, et al.
Examiner Name	Arnold M. Kinkead
Art Unit	2817
Attorney Docket No.	MATI-227US

## METHOD OF PAYMENT (check all that apply)

- Check  Credit Card  Money Order  None  Other (please identify): \_\_\_\_\_  
 Deposit Account Deposit Account Number: 18-0350 Deposit Account Name: RatnerPrestia

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

- Charge fee(s) indicated below  Charge fee(s) indicated below, except for the filing fee  
 Charge any additional fee(s) or underpayment of fee(s) under 37 CFR 1.16 and 1.17  Credit any overpayments

**WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

## FEE CALCULATION

### 1. BASIC FILING, SEARCH, AND EXAMINATION FEES

<b>Application Type</b>	<b>FILING FEES</b>		<b>SEARCH FEES</b>		<b>EXAMINATION FEES</b>		
	<b>Small Entity</b>	<b>Fee (\$)</b>	<b>Small Entity</b>	<b>Fee (\$)</b>	<b>Small Entity</b>	<b>Fee (\$)</b>	<b>Fees Paid (\$)</b>
Utility	300	150	500	250	200	100	_____
Design	200	100	100	50	130	65	_____
Plant	200	100	300	150	160	80	_____
Reissue	300	150	500	250	600	300	_____
Provisional	200	100	0	0	0	0	_____

### 2. EXCESS CLAIM FEES

#### Fee Description

Each claim over 20 (including Reissues)

Each independent claim over 3 (including Reissues)

Multiple dependent claims

<b>Small Entity</b>	
<b>Fee (\$)</b>	<b>Fee (\$)</b>
50	25
200	100
360	180

#### Total Claims

$$\text{Extra Claims} \quad \text{Fee ($)} \quad \text{Fee Paid ($)}$$

HP = highest number of total claims paid for, if greater than 20

#### Indep. Claims

$$\text{Extra Claims} \quad \text{Fee ($)} \quad \text{Fee Paid ($)}$$

HP = highest number of independent claims paid for, if greater than 3

### 3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

$$\text{Total Sheets} \quad \text{Extra Sheets} \quad \text{Number of each additional 50 or fraction thereof} \quad \text{Fee ($)} \quad \text{Fee Paid ($)}$$

- 100 = \_\_\_\_\_ / 50 = \_\_\_\_\_ (round up to a whole number) x \_\_\_\_\_ = \_\_\_\_\_

### 4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge): IDS Fee

**Fees Paid (\$)**

180

## SUBMITTED BY

Complete (if applicable)					
Signature		Registration No. Attorney/Agent	31,549	Telephone	610-407-0700
Name (Print/Type)	Kenneth N. Nigon			Date	November 16, 2005

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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